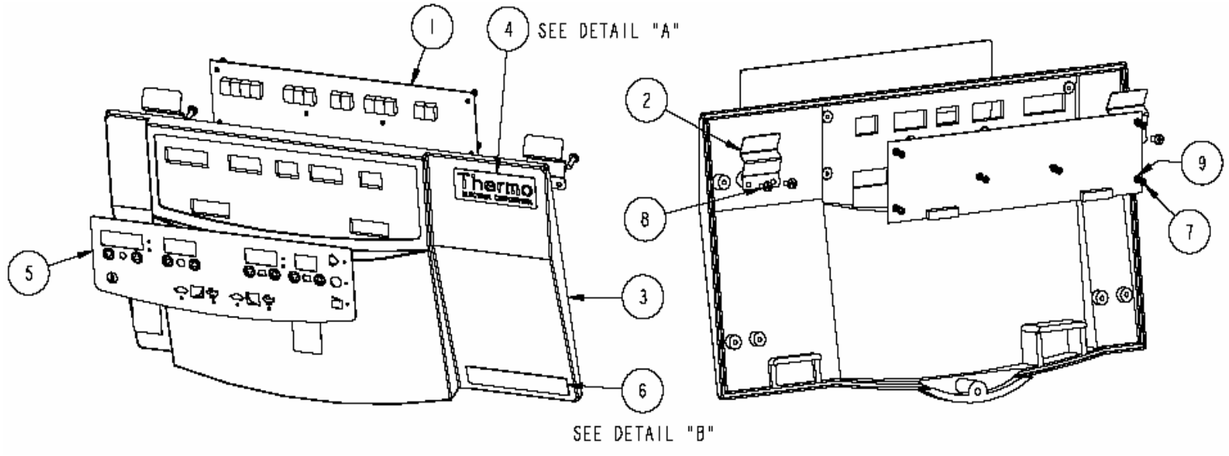
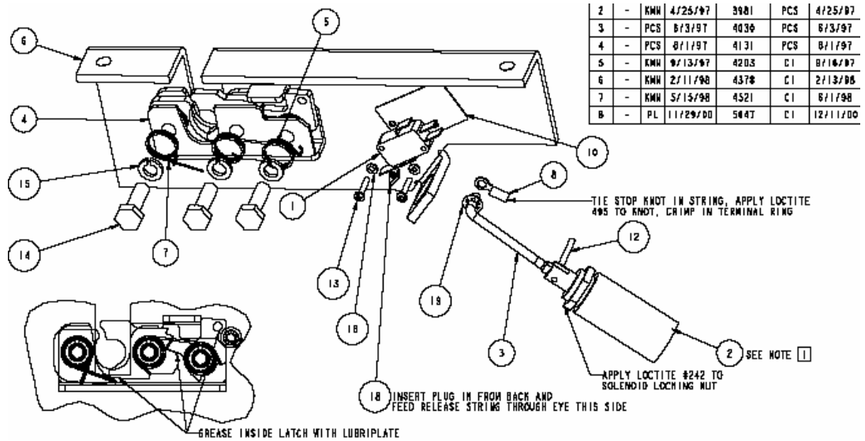
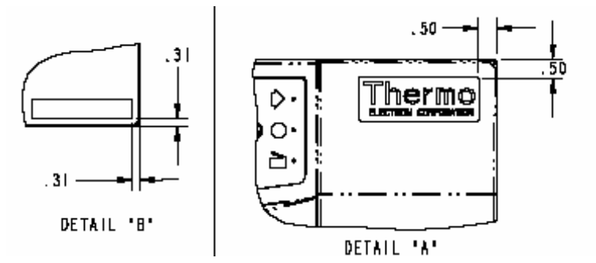
IEC CL3, CL3R / Forma 1L GP, 1L GPR IPB




TIE STOP KNOT IN STRING, APPLY LOCTITE 495 TO KNOT, CRIMP IN TERMINAL RING
SEE NOTE 1
APPLY LOCTITE #242 TO SOLENOID LOCKING NUT
INSERT PLUG IN FROM BACK AND FEED RELEASE STRING THROUGH EYE THIS SIDE
GREASE INSIDE LATCH WITH LUBRIPLATE

2	-	KMW	4/25/97	3981	PCS	4/25/97
3	-	PCS	8/3/97	4030	PCS	8/3/97
4	-	PCS	8/1/97	4131	PCS	8/1/97
5	-	KMW	9/13/97	4203	C1	9/16/97
6	-	KMW	2/11/98	4378	C1	2/13/98
7	-	KMW	5/15/98	4521	C1	6/1/98
8	-	PL	11/29/00	5447	C1	12/11/00

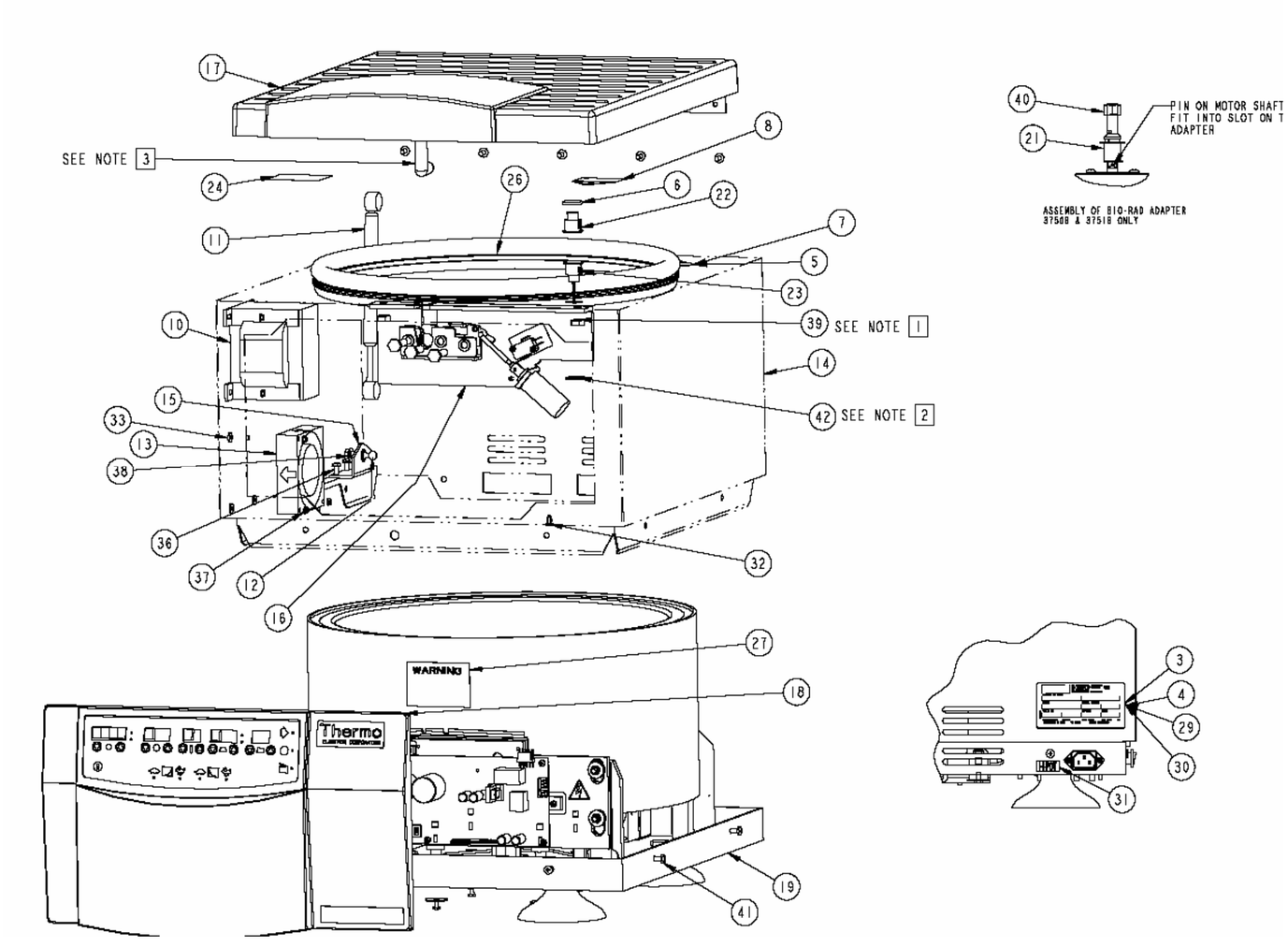


Item Number	Item Description	Balloon #
44477AR	LOGIC/DISPLAY PCB CL3, 1L GP	1
44477BR	LOGIC/DISPLAY PCB CL3R, 1L GPR	1
506870R	BRACKET, UPPER BEZEL	2
50932AF	BEZEL, CL3	3
50932BF	BEZEL, CL3R	3
50932CF	BEZEL, FORMA 1L GP / 1L GPR	3
657760R	DECAL	4
50916AR	MEMBRANE PANEL, CL3	5
50916BR	MEMBRANE PANEL, CL3R	5
50916CR	MEMBRANE PANEL FORMA	5
50916DR	MEMBRANE PANEL FORMA REFRIGERATED	5
NOT AVAILABLE	LABEL, PRODUCT IDENTIFICATION	6
COMMERCIAL	4-40 x .250 , PAN-HEAD PJIL SS SCREW	7
COMMERCIAL	#8X1/2 PLASTIC PAN HEAD SCREW	8
COMMERCIAL	#4 INTERNAL LOCK WASHER	9

Item Number	Item Description	Balloon #
50929AF	COMPLETE LATCH ASSEMBLY	
437540R	MICROSWITCH	1
50634CR	SOLENOID	2
506350R	LINK ARM	3
509120R	LATCH (INCLUDES SPRINGS)	4
NOT AVAILABLE	LATCH SPRING	5
NOT AVAILABLE	LATCH BRACKET	6
NOT AVAILABLE	SINGLE TORSION SPRING	7
COMMERCIAL	#10 TERMINAL RING	8
COMMERCIAL	INSULATOR PAD	10
COMMERCIAL	ROLL PIN 1/8 DIA. 1 IN LNG SST	12
COMMERCIAL	4-40 X .625 PAN HD PHIL SS	13
COMMERCIAL	5/16-18 X 1.0 HEX HD SS	14
COMMERCIAL	5/16 SPLIT LOCK WASHER	15
COMMERCIAL	#4 INTERNAL LOCK WASHER	16
COMMERCIAL	POLYESTER 50LB TEST FISH LINE	17
COMMERCIAL	HEYCO CLIP	18
COMMERCIAL	#8 TINNERMAN	19

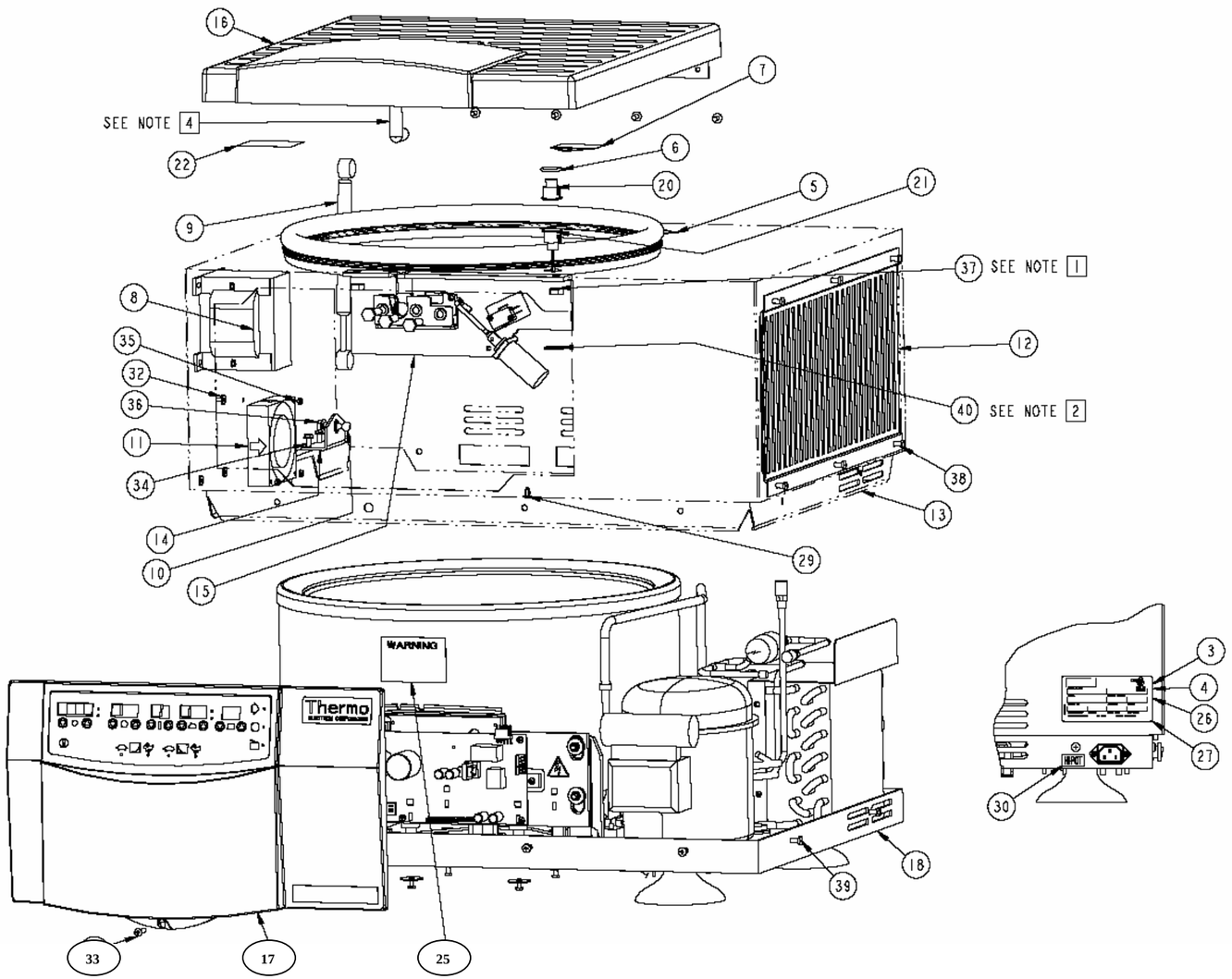
IEC CL3, CL3R / Forma 1L GP, 1L GPR IPB

NOTES:
1. APPLY LOCTITE 242 TO STUDS FOR LATCH ASSY & TIGHTEN NUTS TO 35 IN-LBS.
2. RETAINING CLIP TO BE INSTALLED INSIDE OF CABINET TO HOLD PROXIMITY SWITCH SECURELY
3. APPLY LOCTITE 242 TO STRIKE THREADS AFTER ADJUSTED



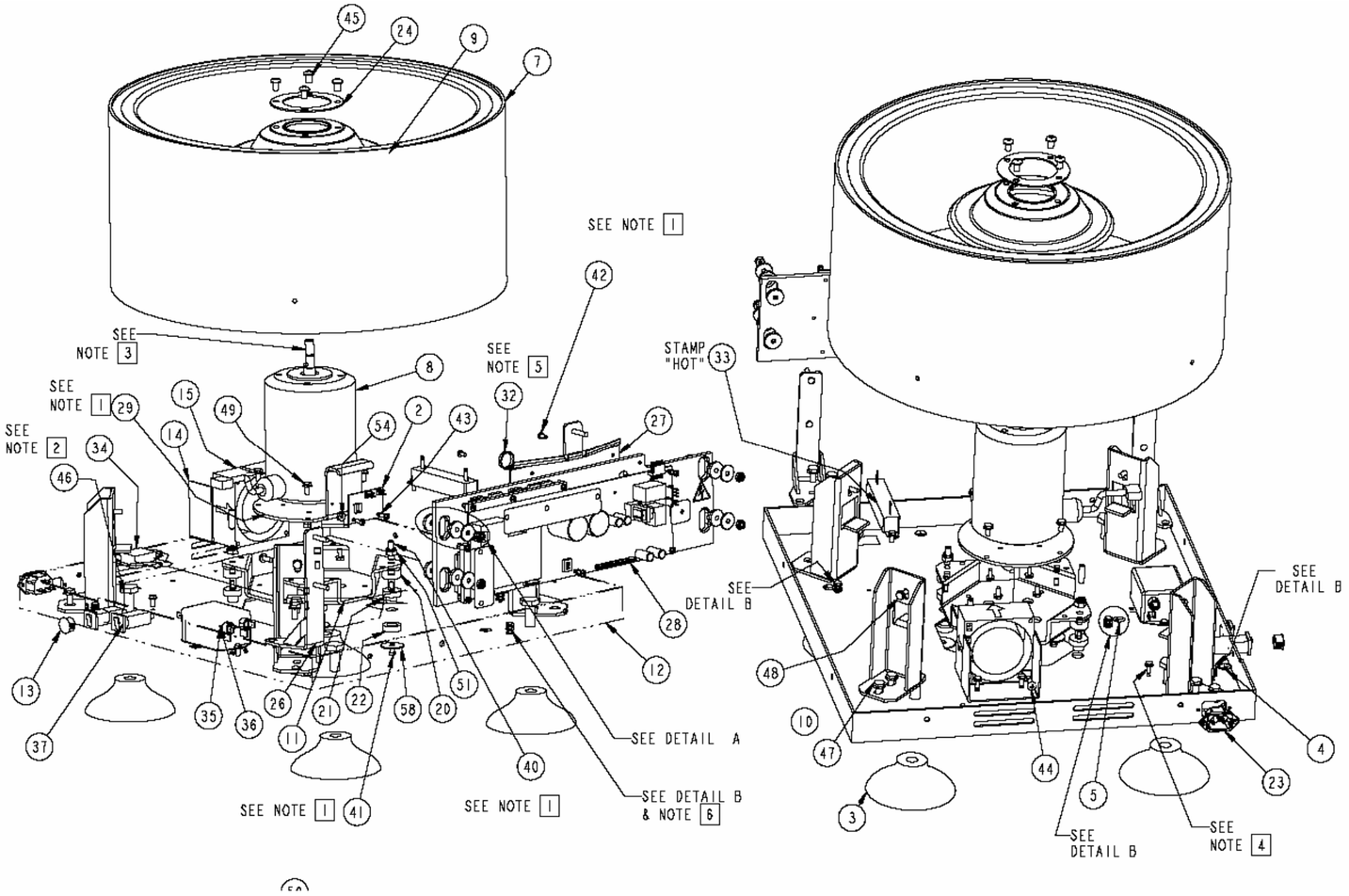
Item Number	Item Description	Balloon #
431770R	LINE CORD(NORTH AMERICAN)	1
433120R	LINE CORD, INTERNATIONAL	2
452740R	LABEL,ROTATION	5
486800R	O-RING PARKER NO. 2-116 BUNA	6
500110R	LABEL,WARNING	7
50830BR	TRANSFORMER (#10058)	10
509070R	GAS SPRING W/END FITTINGS, CL3/3R	11
509080R	BALL STUD, GAS SPRING, CL3/3R	12
509150R	FAN, PCB COOLING, CL3/3R-3000/3200	13
509200R	CABINET, CL3	14
509270R	BRACKET, LOWER GAS SPRING	15
50929AF	LATCH ASSY CL3/R,3200/R,3000/R	16
50930AR	COVER CL3 BLUE PAINTED	17
50930BF	COVER FORMA 1L PAINTED	17
509320R	BEZEL	18
509760R	LOGIC/DISPLAY HARNESS	20
509780R	QC ROTOR ADAPTER, BIO-RAD	21
510640R	MAG SENSOR HARNESS (2PC SET)	22, 23
510820R	LABEL, ROTOR INSTALLATION	24
512360R	HARNESS COVER SWITCH	25
655940R	GASKET, COVER(#CP126R) (5 FT NEEDED)	26
655980R	LABEL WARNING	27
COMMERCIAL	ARROW CLIP, HEYCO 0301	32
COMMERCIAL	.437OD X .156ID X .082 NEOPREME WASHER	33
COMMERCIAL	8-32 X 8.75 SPAN HD PHIL	35
COMMERCIAL	10-32 X .375 WHIZ LOCK ZNIC	36
COMMERCIAL	WHIZ LOCK NUT 8-32 ZINC	37
COMMERCIAL	WHIZ LOCKK NUT 5/16-18 ZINC	38
COMMERCIAL	5/16-18 HEX JAM NUT	39
COMMERCIAL	1/2 HEX JAM NUT	40
COMMERCIAL	.75 DIAMETER INTERNAL LOCKING RETAINING CLIP	42

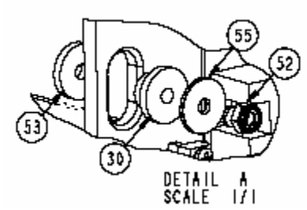
IEC CL3, CL3R / Forma 1L GP, 1L GPR IPB

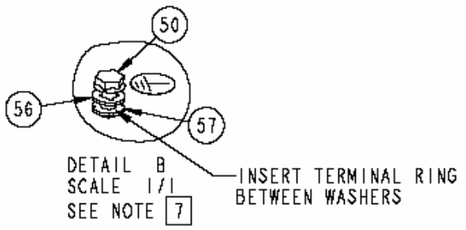


Item Number	Item Description	Balloon #
431770R	LINE CORD(NORTH AMERICAN)	1
433120R	LINE CORD, INTERNATIONAL	2
452740R	LABEL,ROTATION	5
486800R	O-RING PARKER NO. 2-116 BUNA	6
500110R	LABEL,WARNING	7
50830BR	TRANSFORMER (#10058)	8
509070R	GAS SPRING W/END FITTINGS, CL3/3R	9
509080R	BALL STUD, GAS SPRING, CL3/3R	10
509150R	FAN, PCB COOLING, CL3/3R-3000/3200	11
50919AR	ACCESS PANEL	12
509210R	CABINET, CL3	13
509270R	BRACKET, LOWER GAS GAS SPRING	14
50929AF	LATCH ASSY CL3/R,3200/R,3000/R	15
50930AR	COVER CL3 BLUE PAINTED	16
50930BF	COVER FORMA 1L PAINTED	16
509320R	BEZEL	17
509760R	LOGIC/DISPLAY HARNESS	19
510640R	MAG SENSOR HARNESS (2PC SET)	20,21
510820R	LABEL, ROTOR INSTALLATION	22
512360R	HARNESS COVER SWITCH	23
655940R	GASKET, COVER(#CP126R) (5 FT NEEDED)	24
655980R	LABEL WARNING	25
COMMERCIAL	ARROW CLIP, HEYCO 0301	29
COMMERCIAL	.437OD X .156ID X .082 NEOPREME WASHER	32
COMMERCIAL	8-32 X 8.75 SPAN HD PHIL	33
COMMERCIAL	10-32 X .375 WHIZ LOCK ZNIC	34
COMMERCIAL	WHIZ LOCK NUT 8-32 ZINC	35
COMMERCIAL	WHIZ LOCKK NUT 5/16-18 ZINC	36
COMMERCIAL	5/16-18 HEX JAM NUT	37
COMMERCIAL	STAKE FASTENER	38
COMMERCIAL	STAKE FASTENER	39
COMMERCIAL	.75 DIAMETER INTERNAL LOCKING RETAINING CLIP	40

IEC CL3, CL3R / Forma 1L GP, 1L GPR IPB







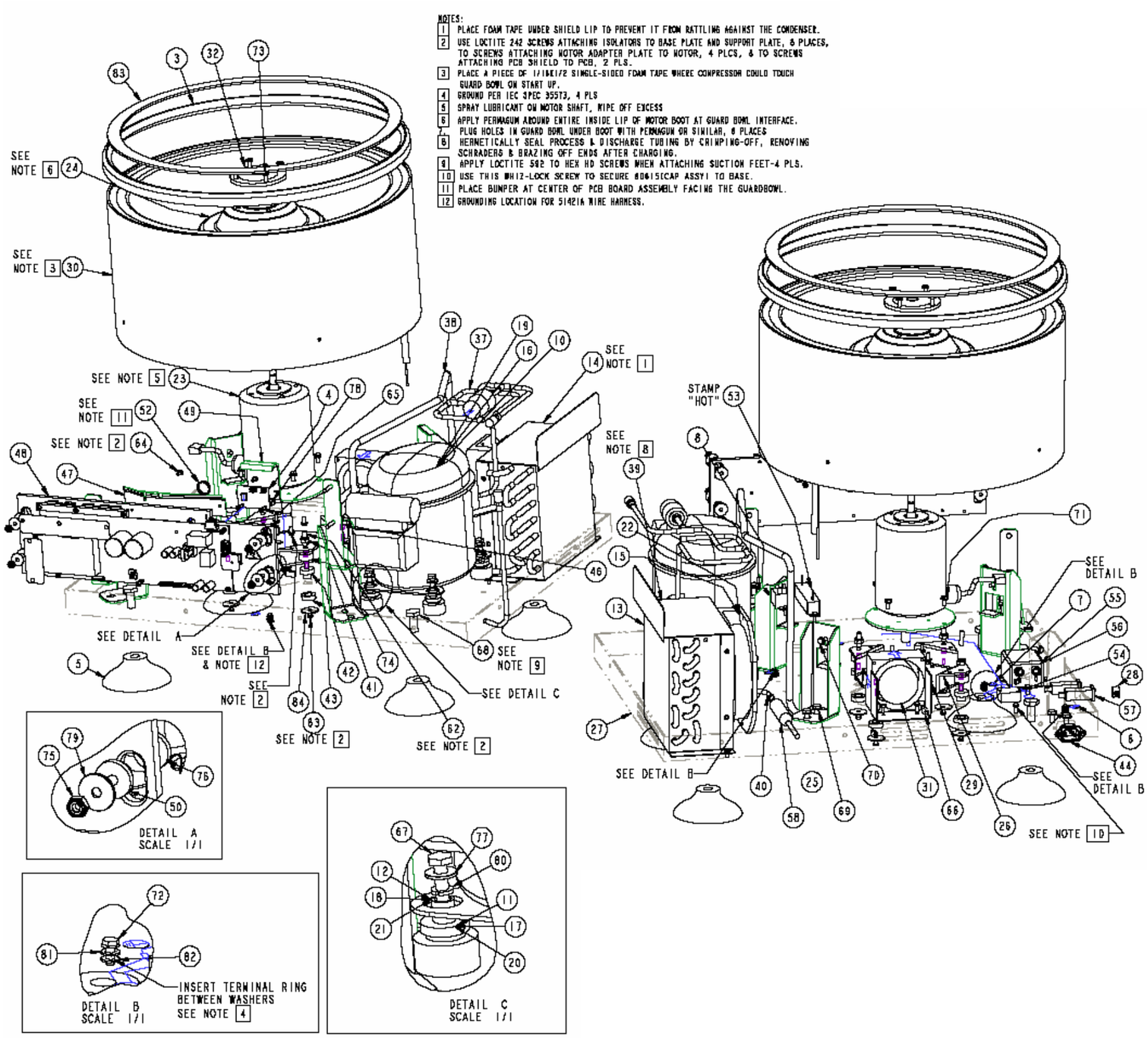
1. USE LOCTITE 242 SCREWS ATTACHING ISOLATORS TO BASE PLATE AND SUPPORT PLATE, 8 PLCS & TO SCREWS ATTACHING MOTOR ADAPTER PLATE TO MOTOR, 4 PLCS, & SCREWS ATTACHING PCB SHIELD TO PCB, 2 PLS.
2. APPLY LOCTITE 592 TO SCREWS USED TO FASTEN MOTOR BOOT AND SEAL RING TO MOTOR AND TO HEX HD SCREWS WHEN ATTACHING SUCTION FEET-4 PLS.
3. SPRAY LUBRICANT ON SHAFT AND WIPE OFF EXCESS
4. USE THIS WHIZ-LOCK SCREW TO SECURE 60615(CAP ASSY) TO BASE.
5. PLACE BUMPER AT CENTER OF PCB BOARD ASSEMBLY FACING THE GUARDBOWL.
6. GROUND LOCATION FOR 51421A WIRE HARNESS.

Item #	Item Description	Balloon #
44495CR	IMB DETECTION PCB	2
472480R	MOUNTING FOOT(4 REQ'D)	3
50605CR	GROUND WIRE	6
506620F	ASSY GUARD BOWL 1L	7
509000F	MOTOR / BOOT KIT	8
50902AR	MOTOR BOOT	9
509040R	SUPPORT LEGS, =	10
509050R	SUPPORT PLATE, MOTOR	11
50922AR	BASE, CL3	12
509280R	PLUG, C B HOLE	13
509370R	BRACKET, FAN	14
509390R	FAN, MOTOR	15
50950AR	MAIN HARNESS, CL3	16
509510R	POWER HARNESS =	17

Item #	Item Description	Balloon #
509520R	BRAKE RESISTOR HARNESS	18
509550R	TRANSFORMER HARNESS	19
509810R	POST, MOTOR MOUNT	20
509830R	BUSHING, RIBBED	21
509840R	BUSHING, FLAT	22
510630R	POWER ENTRY MODULE	23
510710R	MOTOR BOOT SEAL RING	24
513220R	IMBALANCE HARNESS,	25
513990R	BRACKET, PCB	26
514020R	SHIELD, PCB	27
514030R	PCB	28
514030F	PCB, HI-VOLT PRE 1999	28
514040R	ADAPTER PLATE, MOTOR	29
514190R	SHOULDER WASHER	30

Item #	Item Description	Balloon #
51421AR	GROUND WIRE HARNESS	31
514220R	3M BUMPONS	32
60430AR	RESISTOR, 50W X 50 OHM	33
606150R	HARNESS/CAP, CL3 HIGH VOLT	34
626070R	LINE FILTER	35
626120R	LINE FILTER	36
62721DR	CIRCUIT BRAKER,	37
COML	1/4-20 x 7/8 CUP PT SET SCREW	40
COML	8-32 X .375 HEX HEAD SS	41
COML	6-32 X .312 PAN HD PHIL SS	42
COML	6-32 X .375 PAN HD PHIL SS	43
COM]L	10-32 X 1/2 SELF TAPPING	44
COM]L	1/4-20 X .375 WHIZ LOCK ZN	45

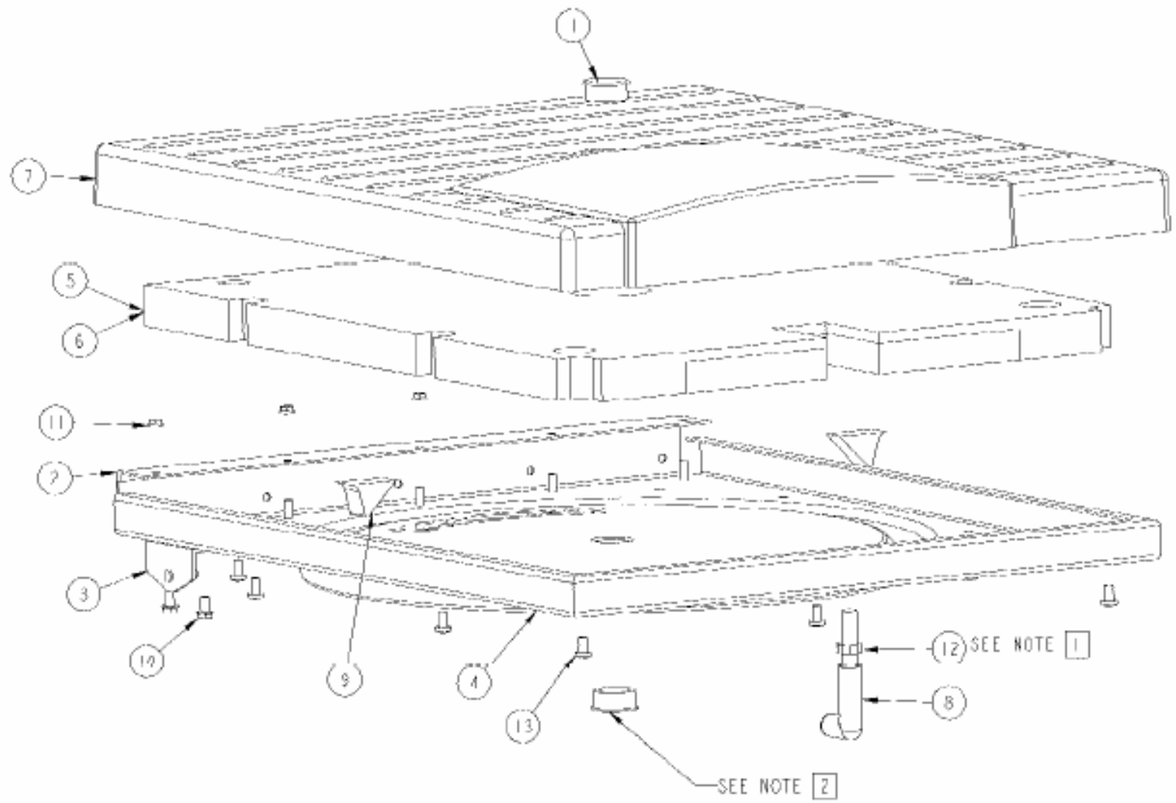
Item #	Item Description	Balloon #
COML	7/16-14 X 1.0 HEX HD SS	46
COML	1/4-20 X .500 WHIZ LOCK ZN	47
COML	10-32 X .500 WHIX LOCK ZN	48
COML	10-32 X .375 WHIZ LOCK ZN	49
COML	8-32 X .375 WHIZ LOCK ZN	50
COML	1/4-20 HEX LOCK NUT SS	51
COML	10-32 HEX LOCK NUT SS	52
COML	.750 ODX210 IDX.125 NLN WASHER	53
COML	.375 ODX 156 ID X 125 NLN WASHER	54
COML	#10 FLAT WASHER	55
COML	#8 INTERNAL LOCK WASHER SS	56
COML	#8 EXTERNAL LOCK WASHER	57
COML	WASHER .22 ID x 1.0 OD x.045	58


NOTES:
1 PLACE FOAM TAPE UNDER SHIELD LIP TO PREVENT IT FROM RATTLING AGAINST THE CONDENSER.
2 USE LOCTITE 242 SCREWS ATTACHING ISOLATORS TO BASE PLATE AND SUPPORT PLATE, 6 PLACES, TO SCREWS ATTACHING MOTOR ADAPTER PLATE TO MOTOR, 4 PLCS, & TO SCREWS ATTACHING PCB SHIELD TO PCB, 2 PLS.
3 PLACE A PIECE OF 1/16X1/2 SINGLE-SIDED FOAM TAPE WHERE COMPRESSOR COULD TOUCH GUARD BOWL ON START UP.
4 GROUND PER IEC SPEC 355T3, 4 PLS
5 SPRAY LUBRICANT ON MOTOR SHAFT, WIPE OFF EXCESS
6 APPLY PERMAGUM AROUND ENTIRE INSIDE LIP OF MOTOR BOOT AT GUARD BOWL INTERFACE.
7 PLUG HOLES IN GUARD BOWL UNDER BOOT WITH PERMAGUM OR SIMILAR, 6 PLACES
8 HERMETICALLY SEAL PROCESS & DISCHARGE TUBING BY CRIMPING-OFF, REMOVING SCHRADERS & BRAZING OFF ENDS AFTER CHARGING.
9 APPLY LOCTITE 592 TO HEX HD SCREWS WHEN ATTACHING SUCTION FEET-4 PLS.
10 USE THIS WHIZ-LOCK SCREW TO SECURE 80415CAP ASSY1 TO BASE.
11 PLACE BUMPER AT CENTER OF PCB BOARD ASSEMBLY FACING THE GUARDBOWL.
12 GROUNDING LOCATION FOR 51421A WIRE HARNESS.
SEE NOTE 6 24
SEE NOTE 3 30
SEE NOTE 5 23
SEE NOTE 11 52 49
SEE NOTE 2 64
48 47
SEE DETAIL A
5
SEE DETAIL B & NOTE 12
SEE NOTE 2
84 43 83
SEE NOTE 2
42 41 74
62
SEE NOTE 2
68 SEE NOTE 9
SEE DETAIL C
4 78 65
38 37 19 16 10
14 SEE NOTE 1
SEE NOTE 8
39
22 15 46
13
27
SEE DETAIL B
40 25 69 70 31 29 66 26
58
STAMP "HOT" 53
8
71
SEE DETAIL B
7 55 56 54 28 57 6 44
SEE DETAIL B
SEE NOTE 10
DETAIL A SCALE 1/1
79 75 76 50
DETAIL B SCALE 1/1
72 81 82
INSERT TERMINAL RING BETWEEN WASHERS SEE NOTE 4
DETAIL C SCALE 1/1
67 77 80 12 18 11 21 17 20

IEC CL3, CL3R / Forma 1L GP, 1L GPR IPB

Item Number	Item Description	Balloon #
334320R	TUBING, SPONGE RUBBER	2
509010F	P GASKET (ORDER 509010F GASKET KIT	3
44495CR	IMB DETECTION PCB	4
472480R	MOUNTING FOOT(4 REQ'D)	5
50597BR	SOLID STATE RELAY	8
50605CR	GROUND WIRE	9
50724AR	COMPRESSOR 115V 60HZ	10
COML	COMPRESSOR GROMMET	11, 17, 20
COML	GROMET SLEEVE	12, 18, 21
507250R	CONDENSER	13
507260R	CONDENSER SHIELD	14
507270R	FAN (115V)	15
50840AR	COMPRESSOR 230V 50HZ	16
508280R	COMPRESSOR 230V 60HZ	19
508420R	FAN (230V)	22
509000F	MOTOR W/ MOTOR BOOT KIT	23
50902AR	MOTOR BOOT	24
509040R	SUPPORT LEGS, CL3/3R (4/UNIT)	25
509050R	SUPPORT PLATE, MOTOR CL3/3R	26
50923AR	BASE, CL3	27
509280R	PLUG, CIRCUIT BREAKER HOLE	28
509370R	BRACKET, FAN	29
509380F	ASSY GUARD BOWL 1L	30
509390R	FAN, MOTOR	31
509430F	MOTOR SHAFT SEAL RING	32
50950BR	MAIN HARNESS, CL3	33
509510R	POWER HARNESS - CL3R	34
509520R	BRAKE RESISTOR HARNESS - CL3/3R	35
509550R	TRANSFORMER HARNESS	36
NOT AVAILABLE	DISCHARGE TUBING	37
NOT AVAILABLE	SUCTION TUBING	38
NOT AVAILABLE	PROCESS TUBING	39
NOT AVAILABLE	DRYER TUBE	40
509810R	POST, MOTOR MOUNT	41
509830R	BUSHING, RIBBED	42
509840R	BUSHING, FLAT	43
510630R	POWER ENTRY MODULE	44
513220R	IMBALANCE HARNESS, IEC MP(R)	45

Item Number	Item Description	Balloon #
513990R	BRACKET, PCB	46
514020R	SHIELD, PCB	47
514030R	ELECTRONIC, BOARD ASSY'S	48
514030F	CONTROL PCB, HI-VOLT PRE 1999	48
514040R	ADAPTER PLATE, MOTOR	49
514190R	SHOULDER WASHER	50
51421AR	GROUND WIRE HARNESS	51
514220R	3M BUMPONS	52
60430AR	RESISTOR, 50W X 50 OHM	53
606150R	HARNESS/CAP, CL3 HIGH VOLT	54
626070R	LINE FILTER	55
626120R	LINE FILTER	56
62721DR	CIRCUIT BRAKER,	57
653100R	FILTER/DRYER	58
656920F	TEMP SENSOR	59
COMMERCIAL	1/4-20 x 7/8 CUP PT SET SCREW	62
COMMERCIAL	8-32 X .375 HEX HEAD SS	63
COMMERCIAL	6-32 X .312 PAN HD PHIL SS	64
COMMERCIAL	6-32 X .375 PAN HD PHIL SS	65
COMMERCIAL	10-32 X 1/2 SELF TAPPING	66
COMMERCIAL	1/4-20 X .375 WHIZ LOCK ZN	67
COMMERCIAL	7/16-14 X 1.0 HEX HD SS	68
COMMERCIAL	1/4-20 X .500 WHIZ LOCK ZN	69
COMMERCIAL	10-32 X .500 WHIX LOCK ZN	70
COMMERCIAL	10-32 X .375 WHIZ LOCK ZN	71
COMMERCIAL	8-32 X .375 WHIZ LOCK ZN	72
COMMERCIAL	1/4-20 X .500 PAN HD SEALING SS	73
COMMERCIAL	1/4-20 HEX LOCK NUT SS	74
COMMERCIAL	10-32 HEX LOCK NUT SS W/NYLON INSERT	75
COMMERCIAL	.750 OD X.210 ID X .125 NYLON WASHER	76
COMMERCIAL	1/4 LAT WASHER SS	77
COMMERCIAL	.375 OD X .156 ID X .125 NYLON WASHER	78
COMMERCIAL	#10 FLAT WASHER	79
COMMERCIAL	1/4-20 LOCK WASHER SPLIT SS	80
COMMERCIAL	#8 INTERNAL LOCK WASHER SS	81
COMMERCIAL	#8 EXTERNAL LOCK WASHER	82
COMMERCIAL	SINGLE SIDE VINYL FOAM TAPE	83
COMMERCIAL	WASHER .22 ID x 1.0 OD x.045	84



ITEM #	ITEM DESCRIPTION	BALLOON #
48116	VIEWPORT	1
50903	HINGE	2
50909	BRACKET, UPPER GAS SPRING	3
50918A	COVER LINER CL3/CL3R	4
50918B	COVER L1NER FORMA 1L	4
50924	AIR BAFFLE (VENTILATED)	5
50925	AIR BAFFLE (REFRIGERATED)	6
50930A	COVER CL3/CL3R	7
50930BF	COVER FORMA 1L	7
51024	LATCH STRIKE	8
COML	INSULATION TAPE	9
COML	10-32 X .375 WHIZ LOCK ZN	10
COML	WHIZ LOCK NUT 10-32 ZN	11
COML	5/16-24 HEX NUT SS	12
COML	STAKE FASTENER	13